

**ABSTRACT OF THE DISCLOSURE**

A fault circuit interrupter with functionality for reset can include a relay that trips a first circuit when a ground fault or other error is detected in the first circuit. The relay can be a bistable type of relay that is caused to change state by the detection of a ground fault (or other error) in the first circuit. To reset the fault circuit interrupter after it has tripped, a reset mechanism can include means for simulating a ground fault (or other error). A signal can be sent to the relay when a simulated ground fault (or other simulated fault) is output, such that the signal causes the relay to change state to re-close the first circuit after the trip. Accordingly, the interrupter is automatically tested for functionality when it is reset. Moreover, the fault circuit interrupter cannot be reset if the circuitry of the fault circuit interrupter is not operational.